

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636726

Luminaire Tested: GWS-SA4B-735-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-735-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

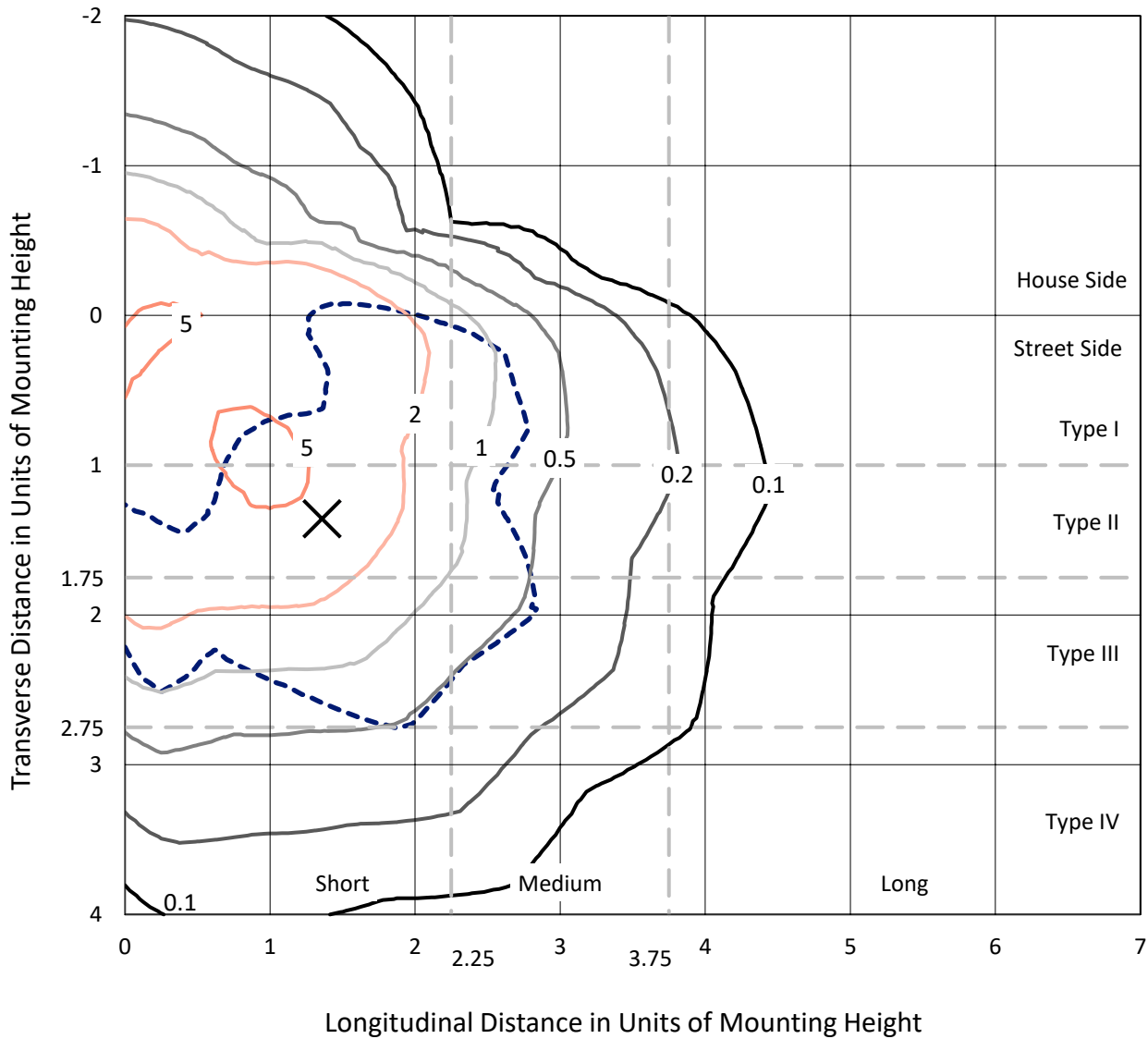
Lumens per Lamp: N/A  
Luminaire Lumens: 13517.1 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P636726  
 CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

### Iso-Footcandle Lines of Horizontal Illumination

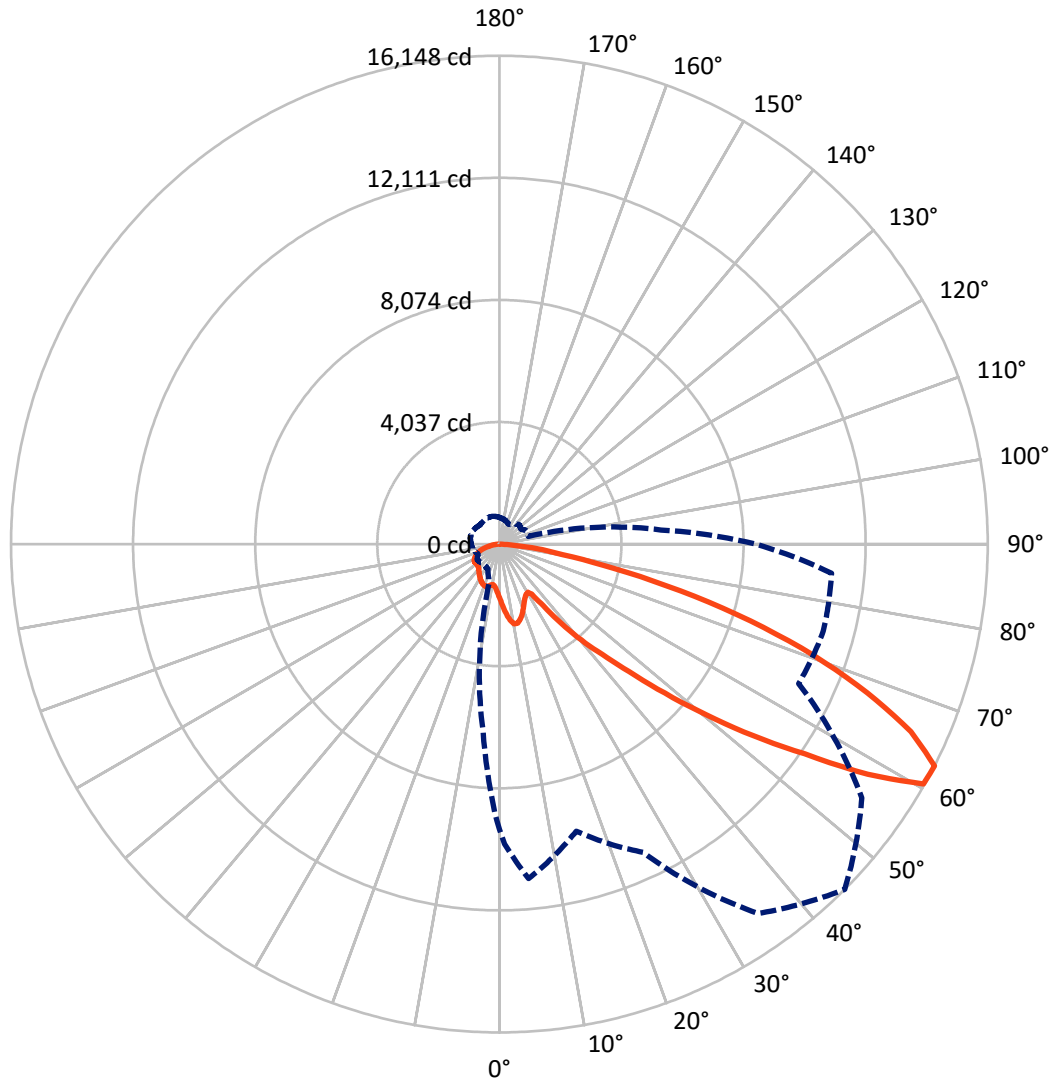
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P636726  
CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P636726

CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3225.4	0.0	3225.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	10291.7	0.0	10291.7
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	13517.1	0.0	13517.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.2	1.3
10°-20°	549.2	4.1
20°-30°	853.1	6.3
30°-40°	1158.3	8.6
40°-50°	1835.8	13.6
50°-60°	3238.3	24.0
60°-70°	3603.1	26.7
70°-80°	1827.4	13.5
80°-90°	276.7	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13517.1	100.0
0°-180°	13517.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636726

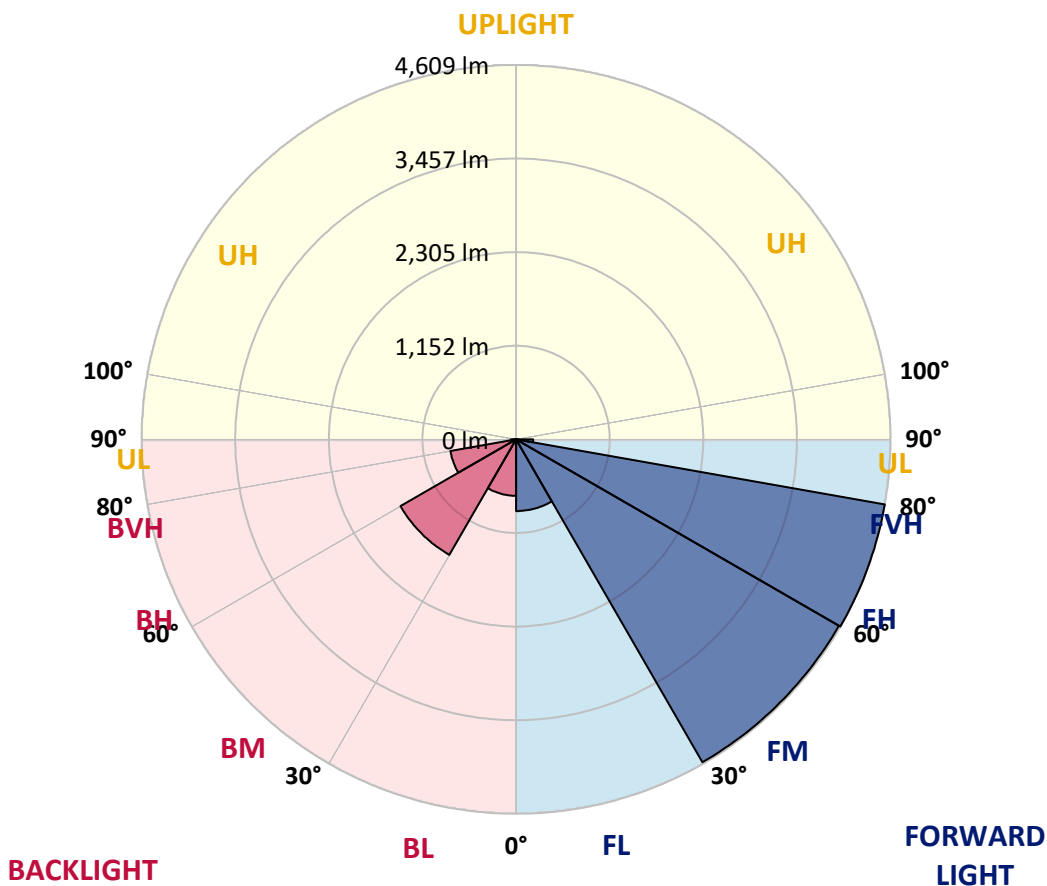
CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.6	6.5			
FM (30°-60°)	4589.6	34.0			
FH (60°-80°)	4609.4	34.1			G2/5000
FVH (80°-90°)	210.0	1.6			G2/225
BL (0°-30°)	695.0	5.1	B2/1000		
BM (30°-60°)	1642.7	12.2	B2/2500		
BH (60°-80°)	821.0	6.1	B2/1000		G2/1000
BVH (80°-90°)	66.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





REPORT NUMBER: P636726  
 CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1928.1	1927.0	1946.5	1976.2	2003.8	2016.1	2036.5	2034.5	2018.1	1996.6	1989.5
5°	2079.5	2083.6	2117.4	2182.9	2255.5	2286.2	2299.5	2294.4	2264.8	2226.9	2160.4
7.5°	2216.7	2223.8	2276.0	2374.3	2464.3	2505.2	2538.0	2531.9	2488.9	2418.3	2320.0
10°	2316.9	2325.1	2387.6	2503.2	2603.5	2639.3	2681.3	2683.3	2645.5	2550.3	2450.0
12.5°	2417.2	2425.4	2483.8	2589.2	2654.7	2655.7	2680.2	2693.6	2695.6	2651.6	2551.3
15°	2521.6	2528.8	2582.0	2641.4	2638.3	2581.0	2581.0	2606.6	2662.8	2694.6	2625.0
17.5°	2610.7	2619.9	2660.8	2641.4	2550.3	2446.9	2434.6	2467.4	2565.6	2687.4	2680.2
20°	2684.3	2691.5	2714.0	2585.1	2419.3	2284.2	2260.7	2298.5	2431.6	2643.4	2722.2
22.5°	2755.0	2759.0	2746.8	2511.4	2278.1	2123.5	2094.9	2134.8	2278.1	2565.6	2758.0
25°	2838.9	2834.8	2776.4	2434.6	2149.1	1996.6	1966.9	2012.0	2161.4	2462.3	2796.9
27.5°	2936.1	2920.7	2802.0	2351.7	2049.8	1902.5	1882.0	1930.1	2069.3	2367.1	2827.6
30°	3019.0	2989.3	2806.1	2278.1	1998.7	1862.6	1850.3	1895.3	2024.3	2302.6	2866.5
32.5°	3111.1	3070.2	2829.7	2258.6	2027.3	1958.8	1975.1	1978.2	2036.5	2284.2	2924.8
35°	3243.1	3189.9	2894.1	2314.9	2322.1	2437.7	2497.1	2417.2	2221.8	2325.1	3035.4
37.5°	3442.7	3375.1	3025.1	2558.5	2931.0	3189.9	3333.2	3151.0	2784.6	2479.7	3202.2
40°	3685.2	3599.2	3193.0	3008.8	3500.0	3914.5	4169.3	3902.2	3363.9	2865.5	3436.5
42.5°	4024.0	3933.9	3518.4	3450.9	4027.0	4644.1	4976.7	4578.6	3874.5	3363.9	3812.1
45°	4614.4	4527.5	4115.0	3894.0	4644.1	5542.7	6009.3	5455.7	4393.4	3864.3	4514.2
47.5°	5705.4	5603.0	5001.3	4385.2	5348.2	6709.3	7362.2	6555.8	4932.7	4437.4	5693.1
50°	7015.3	6917.1	6113.7	4966.5	6126.0	7956.8	8864.6	7848.3	5553.9	5134.3	7102.3
52.5°	8591.3	8572.9	7701.0	5701.3	6935.5	9287.2	10531.7	9280.1	6234.5	6072.8	8698.8
55°	10011.8	10191.9	9717.0	6821.9	7981.4	10958.4	12245.8	10841.7	7157.6	7624.2	10568.5
57.5°	10777.3	11261.3	11991.0	9108.1	9502.1	12956.1	14361.2	12748.3	8743.8	10207.2	12302.1
60°	10271.7	10820.3	12142.5	10829.5	11010.6	14556.6	16107.1	14350.9	10301.4	12000.2	12203.9
62.5°	9430.5	9922.7	11098.6	9824.5	11243.9	14908.7	16148.0	14630.3	10920.5	11090.4	11023.9
65°	8432.7	8929.0	10174.5	8576.0	10502.0	14072.6	14956.8	13808.5	9808.1	10020.0	10044.5
67.5°	7107.4	7565.9	8833.9	7625.2	9572.8	12845.5	13128.0	12637.8	9032.4	9370.1	9017.1
70°	5310.3	5723.8	6843.4	6196.6	8069.4	11247.0	11018.8	11091.5	8161.5	8497.2	7532.1
72.5°	3628.9	3940.0	4900.0	4869.3	6179.2	9003.7	8685.5	9374.2	6816.8	7261.9	5742.2
75°	2538.0	2780.5	3541.9	3846.9	4670.7	6673.5	6185.3	7016.3	5323.7	5959.2	4189.7
77.5°	1557.6	1718.3	2237.1	2850.1	3004.7	4567.4	3841.8	5279.6	3738.4	4346.3	2794.9
80°	778.8	856.6	1086.8	1791.9	1992.5	2691.5	2121.5	3065.0	2529.8	2691.5	1546.3
82.5°	235.4	259.9	318.3	680.6	1032.6	1549.4	1253.6	1780.7	1381.6	1261.8	608.9
85°	62.4	70.6	88.0	201.6	362.3	555.7	423.7	862.7	662.1	465.6	229.2
87.5°	5.1	5.1	4.1	4.1	2.0	0.0	0.0	61.4	123.8	70.6	39.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636726  
 CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1953.6	1949.5	1907.6	1876.9	1841.1	1806.3	1770.5	1738.7	1702.9	1667.1	1656.9
5°	2111.2	2082.6	1993.6	1918.8	1845.2	1780.7	1724.4	1666.1	1619.0	1572.9	1555.5
7.5°	2250.4	2200.3	2071.3	1957.7	1855.4	1775.6	1692.7	1607.7	1541.2	1475.7	1459.3
10°	2376.3	2309.8	2147.1	2003.8	1890.2	1799.1	1701.9	1588.3	1492.1	1412.3	1390.8
12.5°	2469.4	2396.8	2212.6	2047.8	1918.8	1816.5	1720.3	1620.0	1518.7	1415.3	1391.8
15°	2543.1	2467.4	2266.8	2081.6	1919.9	1787.9	1694.7	1659.9	1628.2	1526.9	1483.9
17.5°	2602.5	2522.6	2313.9	2102.0	1892.2	1700.9	1620.0	1671.2	1752.0	1688.6	1607.7
20°	2656.7	2575.9	2349.7	2116.4	1830.8	1581.1	1536.1	1644.6	1766.4	1764.3	1691.7
22.5°	2716.1	2637.3	2401.9	2124.5	1744.9	1459.3	1486.0	1605.7	1705.0	1734.6	1689.6
25°	2791.8	2722.2	2474.5	2143.0	1647.7	1375.4	1449.1	1555.5	1638.4	1645.6	1619.0
27.5°	2879.8	2827.6	2583.0	2186.0	1553.5	1332.4	1406.1	1484.9	1560.7	1563.7	1532.0
30°	2976.0	2941.2	2683.3	2221.8	1482.9	1319.1	1350.9	1414.3	1462.4	1470.6	1443.0
32.5°	3098.8	3068.1	2772.4	2198.2	1440.9	1316.1	1299.7	1332.4	1372.4	1372.4	1350.9
35°	3267.7	3224.7	2866.5	2108.2	1389.8	1303.8	1245.5	1254.7	1272.1	1275.1	1262.9
37.5°	3507.1	3436.5	2961.7	1930.1	1305.8	1259.8	1183.0	1171.8	1177.9	1186.1	1183.0
40°	3803.9	3688.3	3100.9	1716.2	1205.5	1174.8	1118.6	1097.1	1092.0	1108.3	1114.5
42.5°	4177.5	4000.4	3250.3	1516.7	1114.5	1077.6	1042.8	1024.4	1016.2	1043.9	1060.2
45°	4774.1	4482.4	3393.5	1319.1	1063.3	994.7	971.2	957.9	962.0	994.7	1015.2
47.5°	5804.6	5218.2	3529.7	1194.3	1059.2	935.4	906.7	909.8	921.0	955.8	980.4
50°	7108.4	6203.8	3620.7	1142.1	1071.5	899.6	861.7	878.1	895.5	929.2	957.9
52.5°	8435.8	7121.7	3512.3	1113.4	1070.5	900.6	819.7	868.9	877.0	910.8	941.5
55°	9348.6	7224.1	3034.3	1069.4	1054.1	941.5	787.0	864.8	869.9	900.6	928.2
57.5°	9696.6	6874.1	2313.9	1081.7	1005.0	973.2	772.7	836.1	872.9	899.6	928.2
60°	9276.0	6214.0	1406.1	1113.4	926.2	971.2	781.9	783.9	847.4	892.4	921.0
62.5°	8482.8	5366.6	987.6	1023.4	868.9	917.0	803.4	722.5	802.3	856.6	882.2
65°	7574.1	4369.9	753.2	881.1	841.2	833.0	810.5	668.3	740.9	794.1	816.7
67.5°	6627.4	3396.6	612.0	657.0	760.4	753.2	740.9	620.2	668.3	706.1	731.7
70°	5435.2	2376.3	516.8	493.3	651.9	675.4	647.8	559.8	575.1	614.0	634.5
72.5°	3975.9	1480.8	424.7	407.3	524.0	590.5	576.2	493.3	500.4	537.3	553.7
75°	2859.3	847.4	340.8	335.7	400.1	505.6	476.9	424.7	432.9	460.5	471.8
77.5°	1817.5	471.8	263.0	270.2	286.5	377.6	407.3	363.3	363.3	379.7	388.9
80°	973.2	270.2	192.4	195.5	200.6	288.6	321.3	281.4	281.4	270.2	281.4
82.5°	397.1	155.6	132.0	122.8	134.1	197.5	225.1	179.1	187.3	168.9	173.0
85°	131.0	77.8	65.5	64.5	63.4	87.0	108.5	89.0	106.4	67.5	70.6
87.5°	17.4	14.3	8.2	6.1	7.2	3.1	6.1	7.2	7.2	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P636726  
 CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1649.7	1641.5	1611.8	1619.0	1613.9	1605.7	1613.9	1598.5	1610.8	1614.9	1640.5
5°	1542.2	1522.8	1494.1	1479.8	1476.7	1468.6	1469.6	1462.4	1464.5	1481.9	1510.5
7.5°	1446.0	1427.6	1405.1	1394.9	1385.7	1376.5	1375.4	1374.4	1382.6	1397.9	1425.6
10°	1376.5	1366.2	1357.0	1361.1	1357.0	1352.9	1345.8	1345.8	1359.1	1386.7	1420.5
12.5°	1376.5	1374.4	1376.5	1388.7	1387.7	1388.7	1379.5	1384.6	1421.5	1468.6	1516.7
15°	1450.1	1433.8	1433.8	1439.9	1437.9	1437.9	1437.9	1459.3	1543.3	1615.9	1667.1
17.5°	1540.2	1492.1	1471.6	1468.6	1467.5	1467.5	1471.6	1517.7	1648.7	1725.4	1755.1
20°	1602.6	1511.5	1477.8	1464.5	1465.5	1467.5	1479.8	1543.3	1687.6	1726.5	1719.3
22.5°	1613.9	1496.2	1455.3	1435.8	1438.9	1440.9	1459.3	1526.9	1634.3	1640.5	1626.2
25°	1561.7	1453.2	1409.2	1393.9	1397.9	1396.9	1413.3	1462.4	1539.2	1537.1	1528.9
27.5°	1483.9	1384.6	1351.9	1341.7	1348.8	1340.6	1345.8	1383.6	1443.0	1440.9	1437.9
30°	1404.1	1318.1	1288.4	1283.3	1292.5	1280.3	1281.3	1313.0	1353.9	1351.9	1350.9
32.5°	1324.3	1251.6	1225.0	1225.0	1234.2	1220.9	1222.9	1250.6	1278.2	1270.0	1270.0
35°	1248.5	1197.4	1175.9	1171.8	1178.9	1169.7	1173.8	1199.4	1209.6	1198.4	1191.2
37.5°	1182.0	1159.5	1138.0	1123.7	1124.7	1125.7	1138.0	1157.4	1151.3	1134.9	1125.7
40°	1120.6	1120.6	1100.1	1073.5	1070.5	1077.6	1098.1	1119.6	1102.2	1083.8	1072.5
42.5°	1076.6	1085.8	1066.4	1039.8	1033.6	1045.9	1068.4	1083.8	1063.3	1042.8	1027.5
45°	1035.7	1058.2	1044.9	1015.2	1007.0	1021.3	1050.0	1056.1	1028.5	1009.1	997.8
47.5°	1007.0	1037.7	1028.5	999.8	987.6	1008.0	1037.7	1036.7	1001.9	981.4	972.2
50°	986.5	1025.4	1024.4	999.8	986.5	1012.1	1038.7	1025.4	987.6	966.1	956.9
52.5°	970.2	1024.4	1031.6	1017.2	1008.0	1030.5	1046.9	1021.3	977.3	954.8	947.7
55°	963.0	1028.5	1033.6	1020.3	1012.1	1032.6	1046.9	1029.5	977.3	956.9	950.7
57.5°	965.1	1023.4	1024.4	1006.0	991.7	1017.2	1039.8	1034.6	988.6	965.1	957.9
60°	952.8	995.8	997.8	969.1	952.8	983.5	1023.4	1020.3	983.5	958.9	945.6
62.5°	911.8	949.7	950.7	924.1	900.6	944.6	988.6	987.6	953.8	929.2	913.9
65°	843.3	883.2	893.4	867.8	849.4	896.5	942.5	940.5	906.7	884.2	868.9
67.5°	758.3	801.3	820.8	803.4	796.2	839.2	882.2	881.1	853.5	832.0	818.7
70°	655.0	690.8	723.5	723.5	718.4	767.5	813.6	809.5	783.9	767.5	757.3
72.5°	569.0	596.6	606.9	617.1	632.5	683.6	722.5	725.6	707.2	699.0	707.2
75°	484.1	501.5	510.7	502.5	529.1	582.3	633.5	638.6	619.1	605.8	608.9
77.5°	398.1	417.5	426.8	408.3	406.3	473.8	536.3	547.5	531.1	510.7	516.8
80°	287.6	313.2	328.5	316.2	312.1	341.8	427.8	440.1	424.7	408.3	417.5
82.5°	176.0	190.3	194.4	206.7	232.3	244.6	275.3	316.2	305.0	290.6	316.2
85°	69.6	82.9	92.1	104.4	121.8	144.3	169.9	202.6	184.2	178.1	209.8
87.5°	4.1	1.0	0.0	2.0	17.4	33.8	72.7	100.3	83.9	90.1	108.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636726  
 CATALOG NUMBER: GWS-SA4B-735-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1661.0	1687.6	1723.4	1753.1	1790.9	1826.7	1863.6	1900.4	1919.9	1928.1
5°	1543.3	1592.4	1649.7	1713.1	1786.8	1864.6	1943.4	2024.3	2075.4	2079.5
7.5°	1472.7	1543.3	1622.1	1701.9	1793.0	1900.4	2025.3	2150.1	2202.3	2216.7
10°	1495.2	1574.0	1636.4	1711.1	1811.4	1945.5	2092.8	2239.2	2299.5	2316.9
12.5°	1585.2	1600.6	1620.0	1688.6	1811.4	1984.3	2162.4	2336.4	2400.9	2417.2
15°	1659.9	1586.2	1551.5	1624.1	1786.8	2018.1	2236.1	2428.5	2506.3	2521.6
17.5°	1666.1	1539.2	1463.4	1528.9	1743.8	2041.7	2306.7	2530.8	2596.3	2610.7
20°	1603.6	1489.0	1390.8	1430.7	1685.5	2051.9	2357.9	2605.5	2670.0	2684.3
22.5°	1533.0	1448.1	1341.7	1339.6	1614.9	2063.1	2419.3	2676.2	2745.7	2755.0
25°	1466.5	1391.8	1301.7	1273.1	1533.0	2084.6	2502.2	2782.6	2835.8	2838.9
27.5°	1388.7	1331.4	1270.0	1242.4	1461.4	2125.6	2625.0	2909.5	2941.2	2936.1
30°	1318.1	1275.1	1247.5	1239.3	1416.4	2156.3	2741.7	3034.3	3036.4	3019.0
32.5°	1243.4	1227.0	1227.0	1253.6	1379.5	2149.1	2836.8	3156.1	3136.7	3111.1
35°	1176.9	1180.0	1201.5	1263.9	1318.1	2077.5	2927.9	3308.6	3280.0	3243.1
37.5°	1113.4	1137.0	1167.7	1228.1	1237.3	1971.0	3034.3	3524.5	3488.7	3442.7
40°	1059.2	1095.0	1130.8	1160.5	1151.3	1819.6	3182.7	3778.3	3738.4	3685.2
42.5°	1016.2	1051.0	1090.9	1094.0	1097.1	1662.0	3340.3	4089.4	4082.3	4024.0
45°	988.6	1011.1	1049.0	1043.9	1094.0	1488.0	3485.7	4564.3	4658.5	4614.4
47.5°	970.2	987.6	991.7	1013.2	1120.6	1332.4	3672.9	5493.5	5755.5	5705.4
50°	959.9	977.3	931.3	1015.2	1124.7	1232.2	3931.8	6660.2	7081.8	7015.3
52.5°	958.9	954.8	885.2	1036.7	1102.2	1170.8	4066.9	7511.7	8447.0	8591.3
55°	961.0	909.8	861.7	1042.8	1057.2	1148.2	3614.6	7921.0	9706.8	10011.8
57.5°	942.5	860.7	875.0	1018.3	972.2	1208.6	2672.1	7774.7	10210.3	10777.3
60°	907.7	813.6	899.6	951.7	885.2	1105.3	1840.0	7121.7	9688.4	10271.7
62.5°	857.6	780.8	896.5	865.8	853.5	904.7	1264.9	6207.9	8860.5	9430.5
65°	801.3	754.2	848.4	782.9	790.1	695.9	894.4	5176.3	7871.9	8432.7
67.5°	740.9	737.9	777.8	696.9	667.2	551.6	651.9	4148.8	6601.9	7107.4
70°	672.4	694.9	707.2	619.1	541.4	432.9	484.1	2901.3	4870.3	5310.3
72.5°	603.8	605.8	623.2	538.3	405.3	346.9	363.3	1757.2	3308.6	3628.9
75°	534.2	514.8	531.1	438.0	301.9	284.5	280.4	1085.8	2285.2	2538.0
77.5°	459.5	438.0	416.5	329.5	242.5	220.0	214.9	608.9	1402.0	1557.6
80°	373.5	344.9	311.1	241.5	177.0	157.6	156.6	296.8	699.0	778.8
82.5°	290.6	236.4	227.2	150.4	109.5	96.2	102.3	113.6	210.8	235.4
85°	203.7	171.9	120.8	60.4	49.1	39.9	38.9	33.8	56.3	62.4
87.5°	113.6	74.7	38.9	7.2	8.2	9.2	7.2	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)